

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 56253-PCT (71699)	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 01/41344	International filing date (day/month/year) 11/07/2001	(Earliest) Priority Date (day/month/year) 11/07/2000
Applicant THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/41344

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/543 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, COMPENDEX, BIOSIS, CHEM ABS Data, MEDLINE, SCISEARCH, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DEWEZ J-L ET AL: "Adhesion of mammalian cells to polymer surfaces: from physical chemistry of surfaces to selective adhesion on defined patterns" BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 19, no. 16, August 1998 (1998-08), pages 1441-1445, XP004161407 ISSN: 0142-9612 the whole document	1-63
X	WO 96 15223 A (UNIV LOUVAIN ;DEWEZ JEAN LUC (BE); LHOEST JEAN BENOIT (BE); DETRAI) 23 May 1996 (1996-05-23) the whole document	1-63



Further documents are listed in the continuation of box C



Patent family members are listed in annex.

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

G document member of the same patent family

Date of the actual completion of the international search

12 August 2002

Date of mailing of the international search report

05/09/2002

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/41344

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	KANE RAVI S ET AL: "Patterning proteins and cells using soft lithography." BIOMATERIALS, vol. 20, no. 23-24, December 1999 (1999-12), pages 2363-2376, XP002209609 ISSN: 0142-9612 the whole document ---	
A	NEFF J A ET AL: "Surface modification for controlled studies of cell-ligand interactions." BIOMATERIALS, vol. 20, no. 23-24, December 1999 (1999-12), pages 2377-2393, XP002209610 ISSN: 0142-9612 cited in the application the whole document ---	
A	US 5 976 826 A (WHITESIDES GEORGE M ET AL) 2 November 1999 (1999-11-02) the whole document ---	
T	LIU VALERIE A ET AL: "Engineering protein and cell adhesivity using PEO-terminated triblock polymers" J. BIOMED. MATER. RES.; JOURNAL OF BIOMEDICAL MATERIALS RESEARCH 2002, vol. 60, no. 1, 2002, pages 126-134, XP002209611 the whole document -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/41344

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9615223	A	23-05-1996	BE 1008955 A3 WO 9615223 A1 EP 0800574 A1 US 5962136 A	01-10-1996 23-05-1996 15-10-1997 05-10-1999
US 5976826	A	02-11-1999	US 5776748 A US 2002094572 A1 US 6368838 B1	07-07-1998 18-07-2002 09-04-2002